

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA  
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

SOYBEAN HARVEST PROGRESSED RAPIDLY DESPITE RAIN

Widespread precipitation early last week did little to slow the soybean harvest as producers made significant progress during the week, according to USDA, NASS, Minnesota Field Office. Harvest of corn for grain advanced only modestly as producers concentrated on soybeans. Little precipitation was received in the northwest portion of the state which allowed harvest of potatoes, sugarbeets, dry edible beans and sunflowers to continue at an average pace. Average moisture content of corn and soybeans harvested continued to decline.

The average temperature for the week was 59.3°, 5.2° above normal. Statewide topsoil moisture supplies as of Friday were rated 3 percent very short, 14 short, 73 adequate, and 10 surplus.

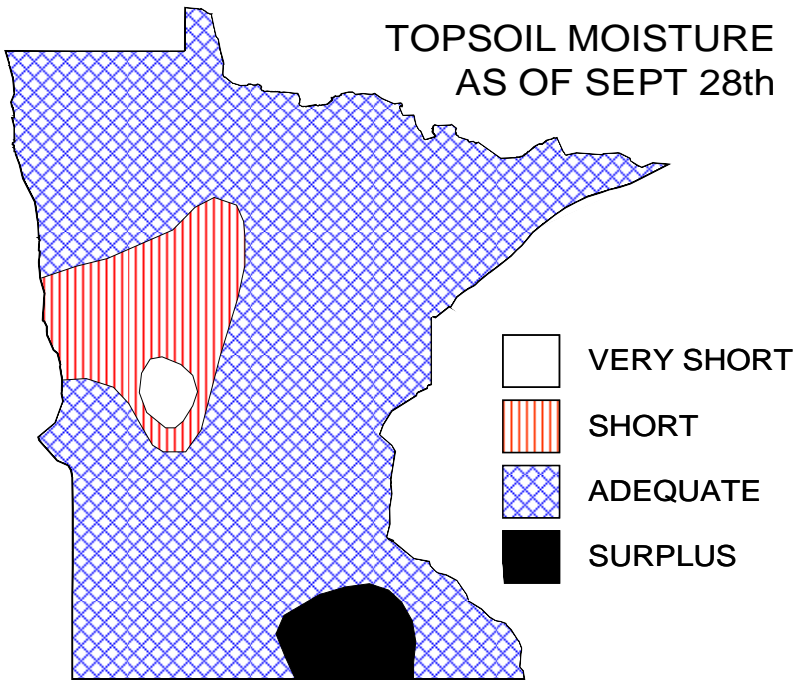
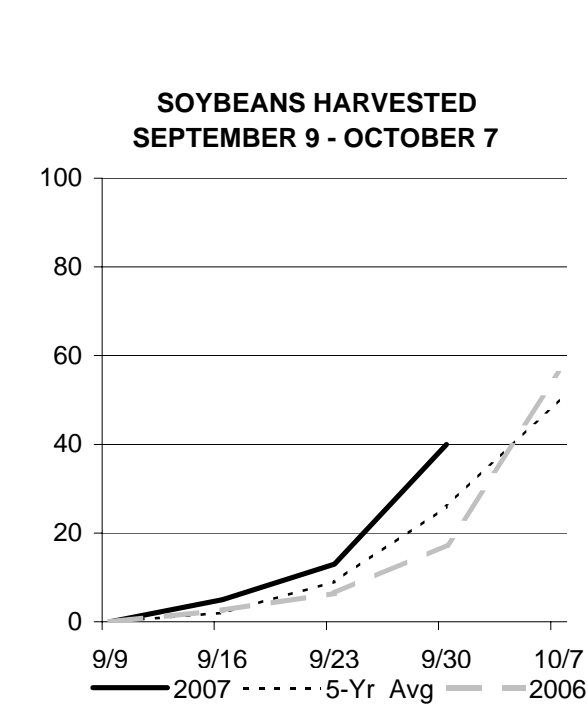
As of Sunday, Sept 30<sup>th</sup>, 96 percent of corn was mature, compared to 75 percent average. Fifteen percent of corn was harvested for grain compared to 5 percent average, and corn cut for silage was 96 percent complete, compared to 83 percent average. Ninety-five percent of soybeans were mature compared to 75 percent average, and 40 percent were harvested compared to 26 percent average.

As of Friday, Sept 28<sup>th</sup>, 46 percent of field corn and 55 percent of soybean were rated in good or excellent condition. Thirty-four percent of pasture, 67 percent of sugarbeets, and 63 percent of sunflowers were rated in good or excellent condition.

Days Suitable for Fieldwork: 4.5				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	3	14	73	10

Crop Progress as of September 30, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Mature	96	87	87	75
	Harvested	15	9	4	5
	Moisture	22	25	26	25
	Silage	96	90	92	83
Soybeans	Mature	95	80	84	75
	Harvested	40	13	17	26
	Moisture	12	14	14	14
Sugarbeets	Harvested	16	10	17	16
Potatoes	Harvested	72	58	79	65
Dry Beans	Harvested	67	58	82	66
Sunflowers	Harvested	10	1	8	4

Crop Condition as of September 28, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	7	18	41	28	6
Corn	10	14	30	38	8
Soybeans	5	10	30	45	10
Sugarbeets	2	5	26	50	17
Sunflowers	1	4	32	49	14



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 30,2007:  
Temperatures averaged from 4.2 degrees above normal in the West Central District to 5.8 degrees above normal in the East Central District.  
Extremes: 28 degrees in Hibbing; 91 degrees in Crookston, Fergus Falls.  
Precipitation averaged from 0.04 inch below normal in the Northwest District to 1.42 inches above normal in the South Central District.  
Greatest weekly total was 4.33 inches recorded in Rochester.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;  
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/24/2007 through 9/30/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	91	36	58.6	6.1	.19	-.29	.49	2.59	2314	85
Moorhead	81	37	58.2	4.6	.85	.36	1.36	4.58	2589	249
Warroad	87	35	56.0	6.1	.36	-.19	-.64	.60	2115	186
<u>NC DIST 2</u>										
Grand Rapids	80	35	57.2	6.2	1.02	.33	3.20	-3.26	2287	342
Intl. Falls	75	31	53.2	4.1	2.26	1.63	2.16	.47	1919	111
Itasca	84	34	55.4	6.4	.75	.10	-.08	.24	2176	360
<u>NE DIST 3</u>										
Duluth	81	36	57.0	6.1	1.08	.25	.54	-5.96	2018	289
Grand Marais	67	40	54.1	2.7	1.18	.43	2.97	-.85	1260	-104
Hibbing	82	28	55.4	5.8	.66	-.05	-.46	-9.98	1968	198
<u>WC DIST 4</u>										
Alexandria	74	39	55.8	2.3	1.35	.79	1.00	-7.34	2574	328
Browns Valley	90	34	59.1	3.9	.61	.21	3.76	8.23	2491	4
Canby	89	43	63.0	5.7	.20	-.32	-.97	-2.05	2769	144
Fergus Falls	91	41	58.6	5.1	.31	-.16	-1.05	.63	2502	225
Montevideo	82	37	59.2	3.4	1.09	.61	1.66	-.43	2711	225
Morris	90	37	59.2	4.6	.64	.15	3.51	1.22	2540	131
<u>CENT DIST 5</u>										
Becker	85	39	59.8	6.6	1.46	.84	2.20	-3.67	2722	510
Collegeville	81	40	61.6	4.7	.90	.23	.28	-3.85	2861	321
Hutchinson	87	38	62.7	6.8	.75	.30	.53	-3.39	2817	314
Olivia	88	38	60.7	5.7	.68	.13	-.21	-2.67	2672	240
St. Cloud	84	36	58.9	5.7	1.11	.52	1.41	-3.08	2602	390
Staples	84	33	55.6	3.6	.90	.30	3.61	1.09	2303	299
Willmar	87	39	59.4	4.2	.73	.16	1.05	-1.11	2721	290
<u>EC DIST 6</u>										
Aitkin	82	32	58.7	7.4	1.41	.78	2.08	-4.73	2301	412
Forest Lake	87	40	60.4	5.2	1.27	.60	1.44	-2.94	2695	312
MSP Airport	83	45	62.4	5.6	1.76	1.23	3.57	3.13	3019	411
St. Paul - UofM	85	42	63.3	4.9	1.96	1.31	3.73	-3.10	3046	352
<u>SW DIST 7</u>										
Lamberton	89	36	61.0	4.9	.72	.20	-.55	-1.96	2754	219
Pipestone	87	37	61.2	6.3	.78	.18	.02	-3.18	2690	253
Redwood Falls	81	37	60.4	2.9	1.08	.59	.70	-.81	2810	118
Worthington	87	37	61.1	6.1	1.02	.51	.80	5.03	2734	359
<u>SC DIST 8</u>										
Faribault	85	41	61.2	5.7	2.67	2.05	1.68	-1.23	2761	338
Mankato	87	40	61.5	5.2	1.95	1.33	.63	-3.44	2772	242
Waseca	87	36	62.3	6.2	1.41	.78	.25	2.61	2770	297
Winnebago	87	41	61.5	4.2	2.07	1.53	.96	-3.63	2761	194
<u>SE DIST 9</u>										
Preston	82	37	60.5	4.8	1.01	.31	-.65	7.64	2570	234
Red Wing	85	42	60.5	4.1	1.84	1.14	-.03	.81	2781	264
Rochester	84	42	62.6	7.6	4.33	3.72	4.53	8.28	2757	454
Rosemount	85	41	61.8	5.7	1.26	.56	.45	-.96	2768	366
Winona	84	45	62.9	4.1	1.51	.83	.61	6.32	2690	-107

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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